

Please type a plus sign (+) inside this box



Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	Not Yet Known
		Filing Date	FILED HEREWITH
		First Named Inventor	KORAKIANITIS, et al.
		Group Art Unit	3762
		Examiner Name	Not Yet Known
		Attorney Docket Number	716875.6
(use as many sheets as necessary)			
Sheet	1	of	2

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
105	A1	3,842,440		Karlson, E. L.	10/22/74	
	A2	3,911,898		Leahman, Jr.	10/14/75	
	A3	4,102,610		Taboada et al.	07/25/78	
	A4	4,210,409		Child	07/01/80	
	A5	4,375,941		Child	03/08/83	
	A6	4,541,787		DeLong	09/17/85	
	A7	4,610,658		Buchwald et al.	09/09/86	
	A8	4,888,011		Kung et al.	12/19/89	
	A9	4,965,864		Roth et al.	10/23/90	
	A10	5,089,017		Young et al.	02/18/92	
	A11	5,676,162		Larson, Jr. et al.	10/14/97	
	A12	5,676,651		Larson, Jr. et al.	10/14/97	
	A13	5,693,091		Larson, Jr. et al.	12/02/97	
	A14	5,702,430		Larson, Jr. et al.	12/30/97	
	A15	5,722,429		Larson, Jr. et al.	03/03/98	
	A16	5,722,930		Larson, Jr. et al.	03/03/98	
	A17	5,758,666		Larson, Jr. et al.	06/02/98	
	A18	5,843,129		Larson, Jr. et al.	12/01/98	
	A19	5,879,375		Larson, Jr. et al.	03/09/99	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	9	<i>Amn As</i>	Date Considered	4/30/02
-----------------------	---	---------------	--------------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Document. ³ Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement; This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

Please type a plus sign (+) inside this box ☒

Approved for use through 10/31/2002, OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	Not Yet Known
		Filing Date	FILED HEREWITH
		First Named Inventor	KORAKIANITIS, et al.
		Group Art Unit	3762
		Examiner Name	Not Yet Known
(use as many sheets as necessary)		Attorney Docket Number	716875.6
Sheet	2	of	2

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M	A20	ELIAS P. GYFTOPOULOS AND GIAN PAOLO BERETTA; Thermodynamics: Foundations and Applications; book; 1991; Macmillan Publishing Co.; U.S.	
	A21	DAVID GORDON WILSON; THEODOSIOS KORAKIANITIS; The Design of High-Efficiency Turbomachinery and Gas Turbines; book; 1998; 2 nd ed.; Prentice-Hall, Inc.; U.S.; 1984; MIT Press Simon & Schuster	
	A22	O. E. BALJE; Turbomachines; Publication; 1981; John Wiley & Sons, Inc.; U.S.; CA	
	A23	BARNA SZABO and IVO BABUSKA; Finite Element Analysis; book; 1991; John Wiley & Sons, Inc.	
	A24	EUGENE BRAUNWALD, M.D.; Heart Disease; textbook; 1984; Volume 1; W. B. Saunders Co.; 1980; W. B. Saunders Co.; U.S.; CA	
	A25	Y.C. FUNG; Biodynamics; book; 1984; Springer-Verlag; U.S.	
	A26	WILMER W. NICHOLS and MICHAEL F. O'ROURKE; McDonald's Blood Flow in Arteries; book; 1998; 4 th Edition; Oxford University Press, Inc.; U.S.	
	A27	RONALD L. PANTON; Incompressible Flow; book; 1994; John Wiley & Sons, Inc.; U.S.	
	A28	FRANK M. WHITE; Viscous Fluid Flow; book; 1991; 2 nd ed.; 1974; McGraw-Hill, Inc.	
	A29	DR. HERMANN SCHLICHTING; Boundary-Layer Theory; book; 7 th Edition; 1979, 1968, 1960, 1955; 7 th , 6 th , 4 th , 2 nd eds.; McGraw-Hill Book Co.; US; AG; DE	
	A30	J. O. HINZE; Turbulence; book; 1975; 2 nd ed.; 1959; McGraw-Hill Book Co., Inc.; U.S.	
	A31	H. POWER, Editor; BIO-FLUID MECHANICS (M. RAHMAN, Series Editor: Advances in Fluid Mechanics); book; 1995; Volume 3; Computational Mechanics Publications; U.S.; CA; MX	
	A32	ALTMAN, Lawrence K.; Self-Contained Mechanical Heart Throbs for First Time in a Human; Article; July 4, 2001; Three (3) pages; The New York Times.	
NA	A33	ALTMAN, Lawrence K.; Artificial-Device Recipient Said to Make Excellent Progress; Article; July 5, 2001; Four (4) pages; The New York Times; Internet.	

Examiner Signature	<i>Alyssa Alt</i>	Date Considered	4/30/07
--------------------	-------------------	-----------------	---------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this from with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

PTO/-A820 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Information Disclosure Statement – PTO 1449 (Modified)

Sheet 1 of 1

[illegible]

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to Mail Stop Comments - Patents, P. O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**